SS-G4D

AEP Model
UK Model

CARBOCON SPEAKER SYSTEM

SPECIFICATIONS

Speaker System:	3-way speaker system
Speaker Units:	Woofer: 25 cm ($9\frac{7}{8}$ inches), cone type Mid-range: 8 cm ($3\frac{1}{4}$ inches), balanced-drive type Tweeter: 2.5 cm (1 inch), soft dome type
Enclosure Type:	Bass-reflex Removable front grille
Finish:	Real wood veneer with print
Volume:	51 liters
Nominal Impedance:	8 Ω
Power Handling Capacity:	Nominal 80 W DIN 45500 Music 150 W DIN 45500
Sensitivity:	92 dB (1 W, 1 m) 2.5 W (96 dB, 1 m) DIN 45500
Frequency Range:	32 Hz – 20 kHz $^{+4}_{-8}$ dB DIN
Crossover Frequency:	1 kHz, 5 kHz
Tweeter Level Control:	From 0 dB to -6 dB continuously adjustable
Dimensions:	Approx. 370 (w) x 645 (h) x 340 (d) mm $14\frac{5}{8}$ (w) x $25\frac{1}{2}$ (h) x $13\frac{1}{2}$ (d) inches
Weight:	Approx. 19.1 kg, 42 lb 2 oz (net, including front grille) Approx. 21.8 kg, 48 lb 1 oz (in shipping carton)

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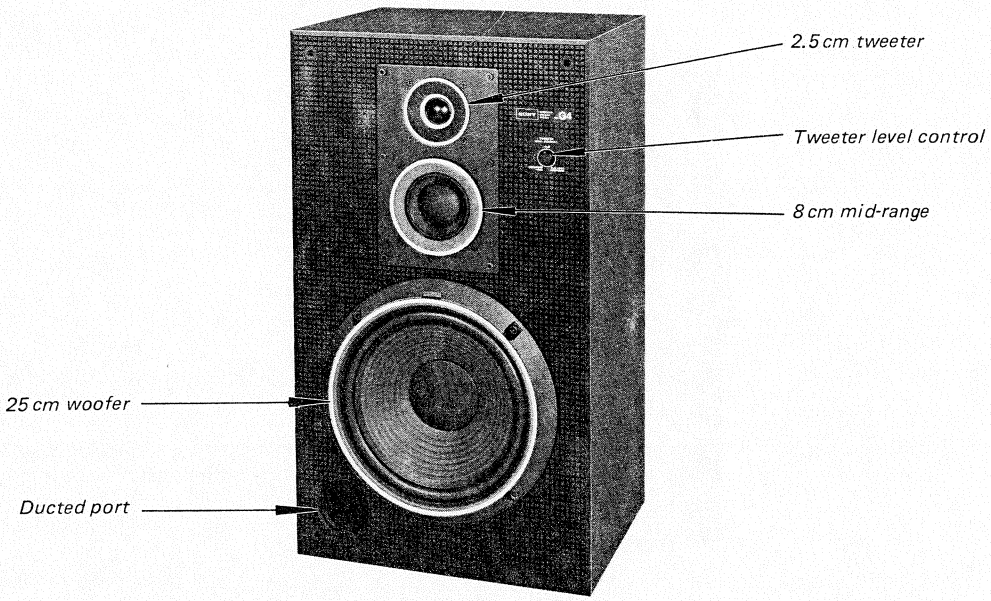
SERVICE MANUAL

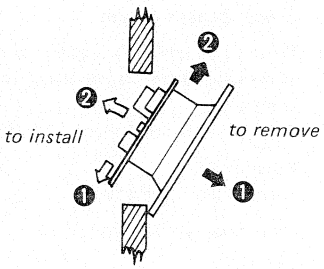
1. PARTS IDENTIFICATION

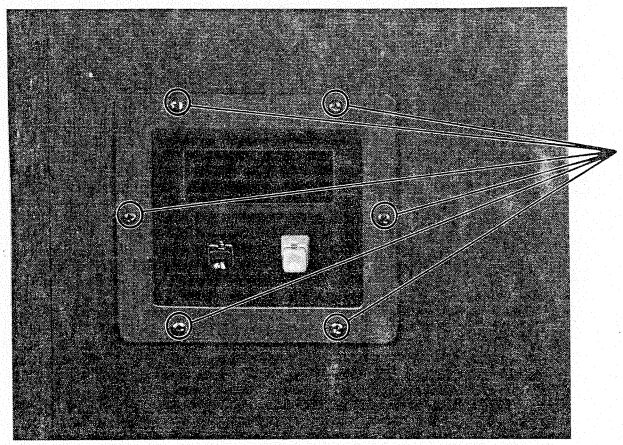


2. DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

2-1. NETWORK BOARD REMOVAL





TA, B2.9 x 13

Remove the screws (6 pcs.).

(After removing the terminal board, replace the parts on the printed circuit board.)

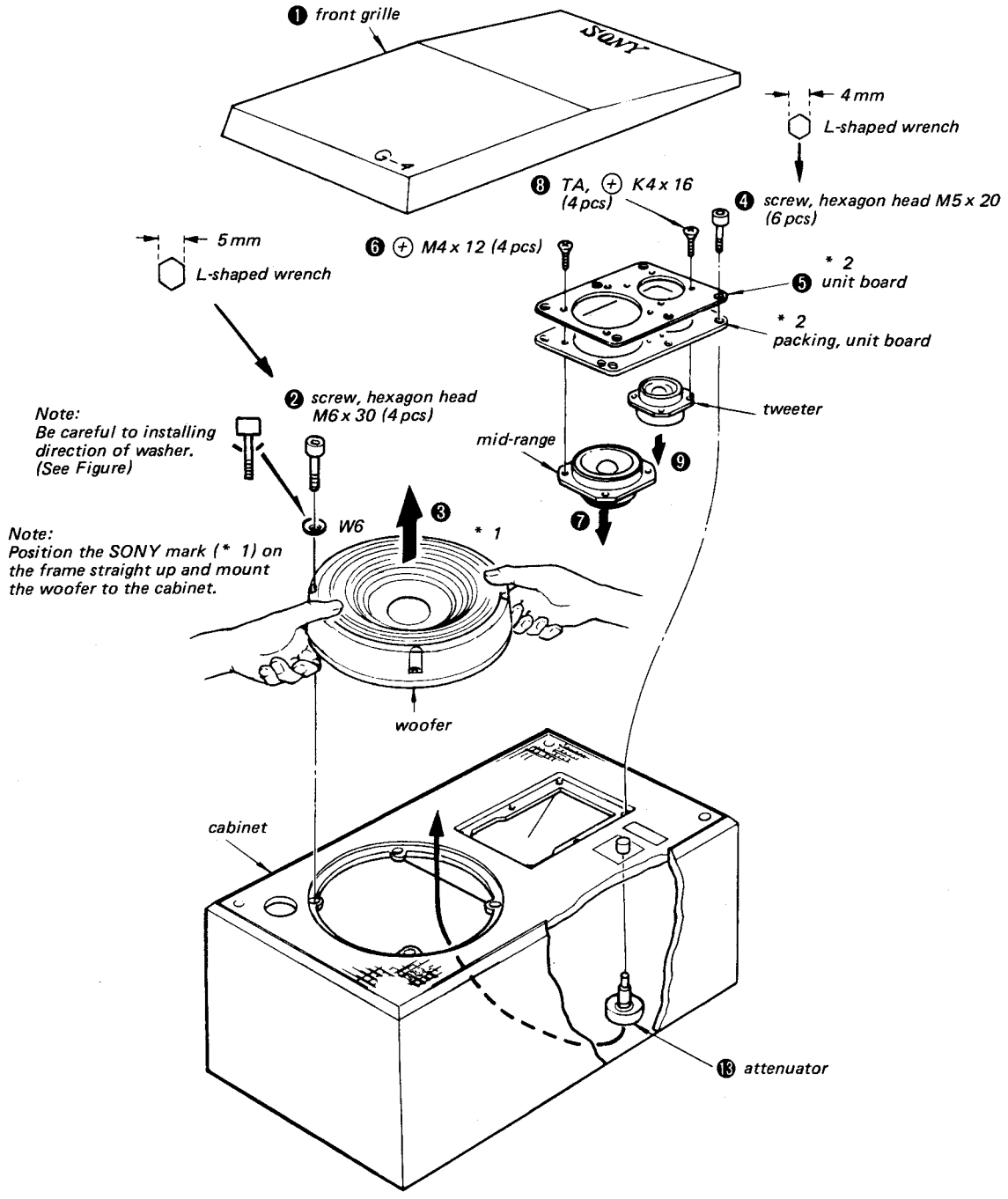
Note:
Lead wires on network board should be separated from resistors as far as possible.

48

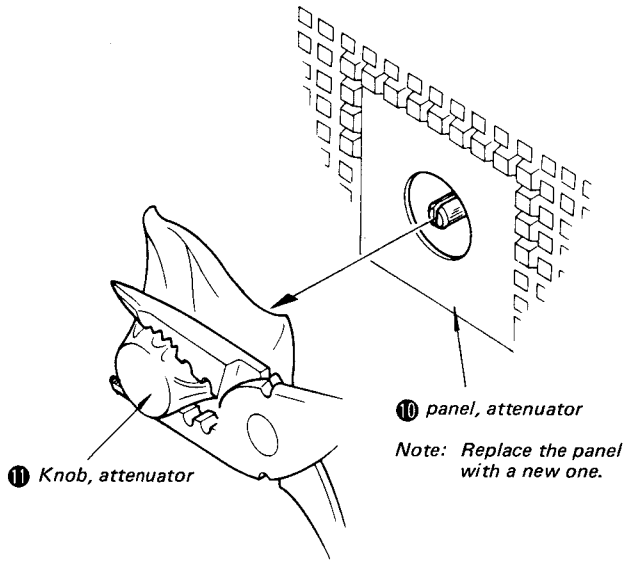
2-2. SPEAKER UNIT, ATTENUATOR REMOVAL

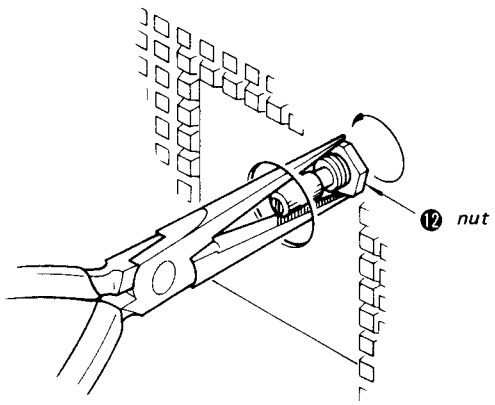
Remove in the numerical order as shown below.

- SPEAKER UNIT
  - Woofer : ❶→❷→❸
  - Mid-range : ❶→❹→❺→❻→❼
  - Tweeter : ❶→❹→❺→❽→❾
- ATTENUATOR : ❶→❷→❸→❿→⓫→⓬→⓭



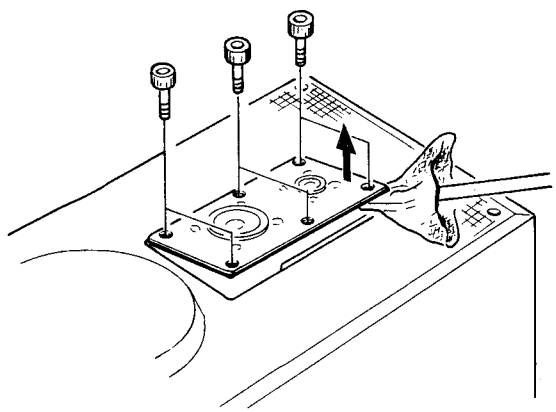
Powe



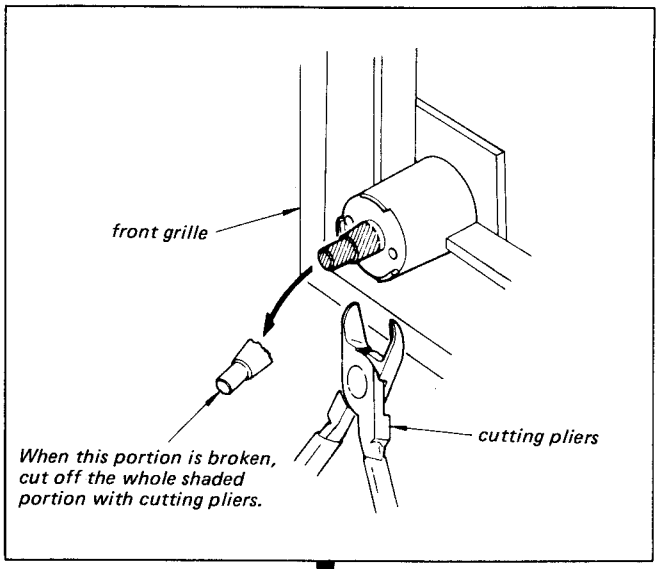


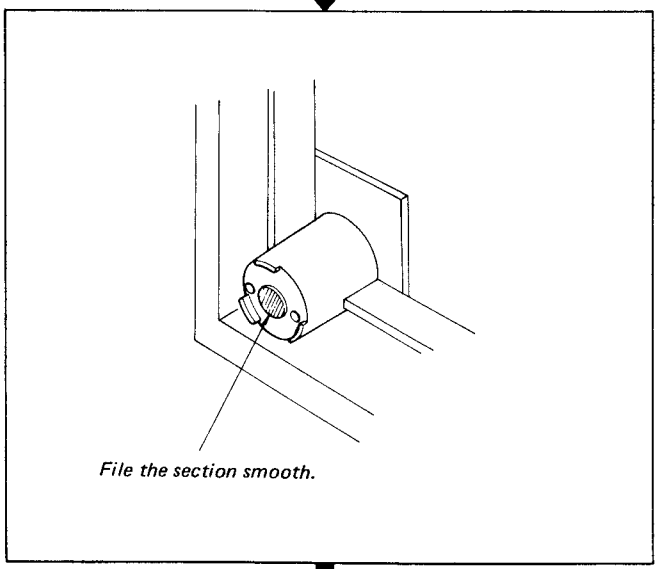
Note: * 2

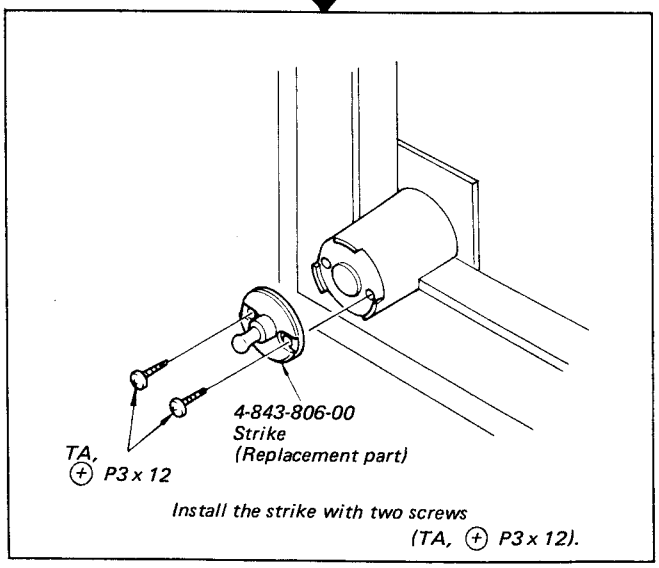
Unit Board Removal



3. REPAIR FOR BROKEN MOUNTING PINS

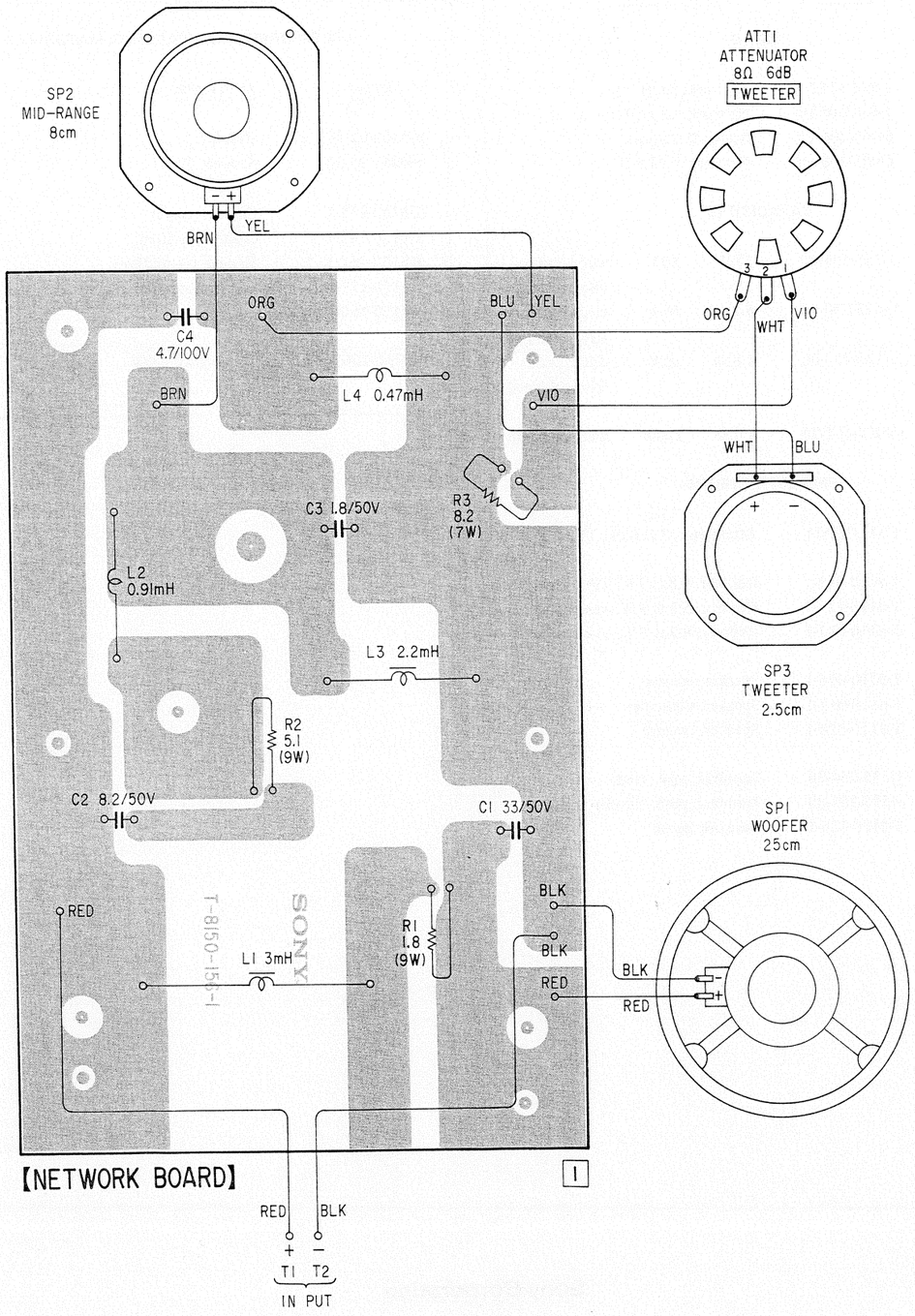




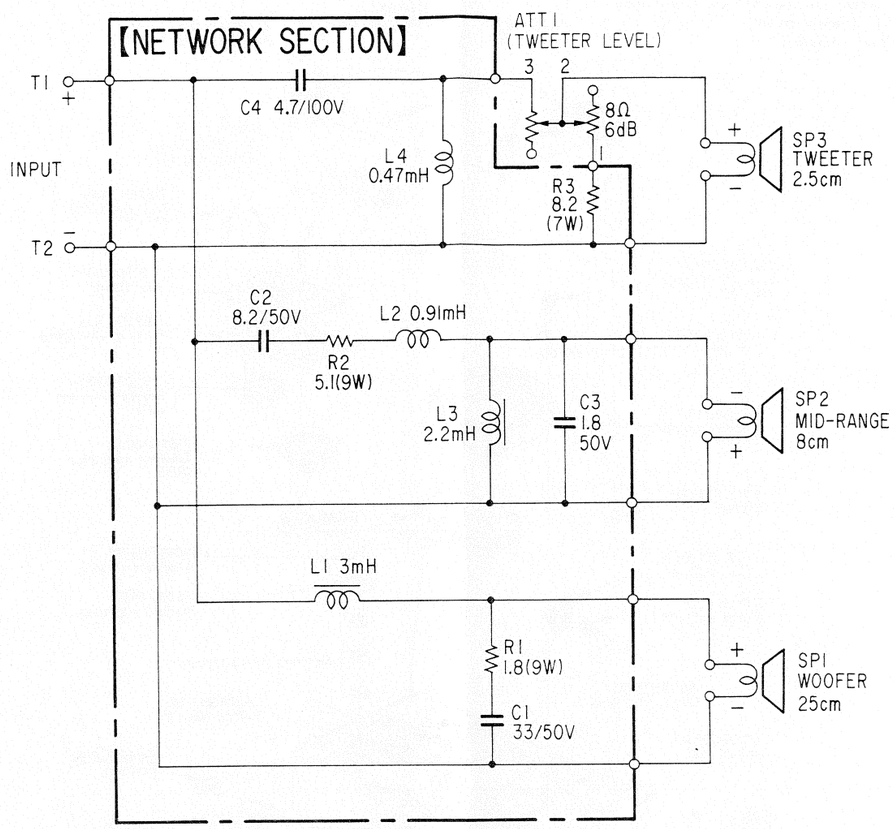


4. MOUNTING DIAGRAM

– Conductor Side –



5. SCHEMATIC DIAGRAM



Note:

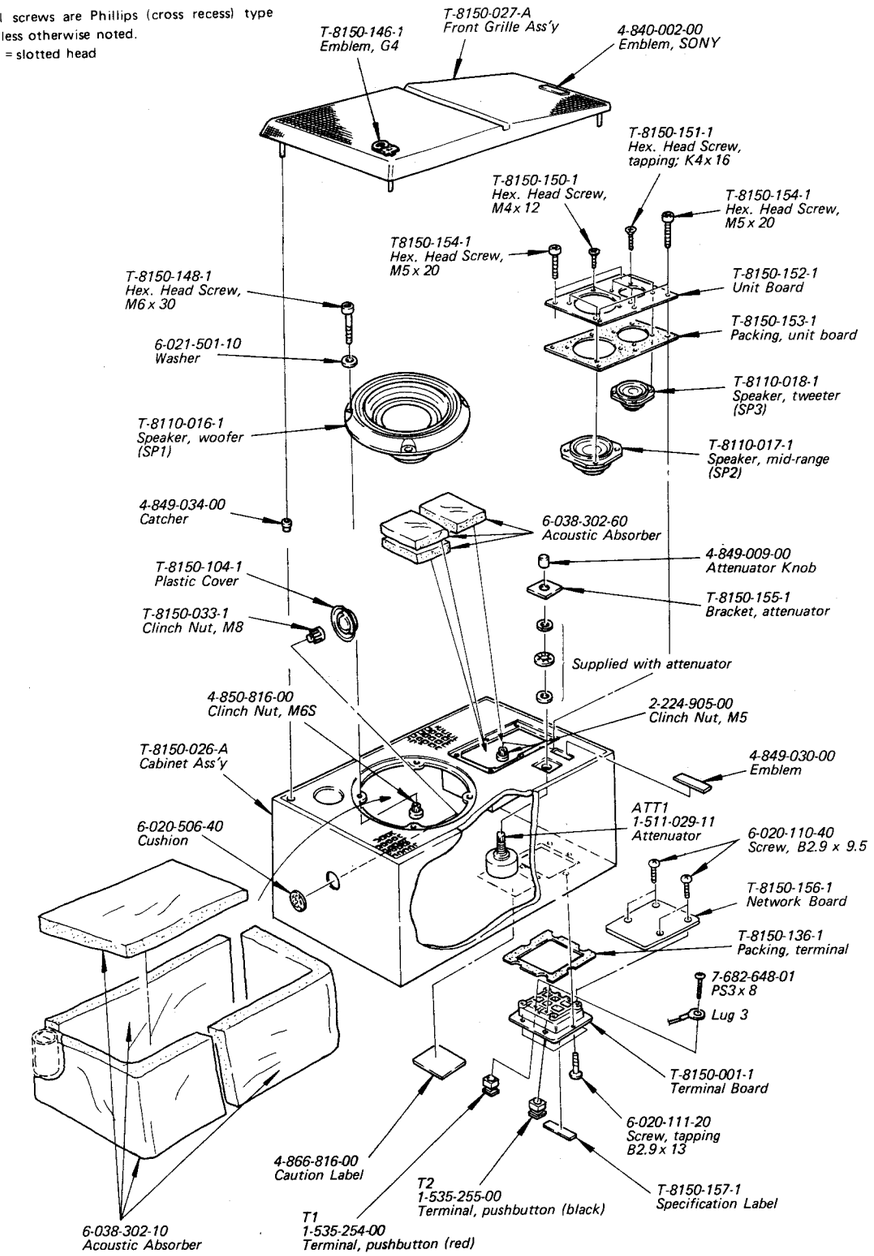
- All capacitors are in μF.
- All resistors are in ohms.

CAUTION:

Be careful to the polarity of the speaker when connecting the speaker.

6. EXPLODED VIEW

Note:
- All screws are Phillips (cross recess) type unless otherwise noted.
(–) = slotted head



CAUTION:
Acoustic absorber should be remained in place (see the exploded view). Otherwise, the sound may be changed.

7. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description		
		COILS		
L1	T-8110-132-1	Network, 3 mH		
L2	T-8110-053-1	Network, 0.91 mH		
L3	6-062-206-80	Network, 2.2 mH		
L4	6-062-206-90	Network, 0.47 mH		
		CAPACITORS		
C1	1-123-554-00	33μF	50 V	electrolytic (Nonpolarized)
C2	1-123-550-00	8.2μF	50 V	electrolytic (Nonpolarized)
C3	1-123-737-00	1.8μF	50 V	electrolytic (Nonpolarized)
C4	6-057-412-90	4.7μF	100 V	metalized film
		MISCELLANEOUS		
ATT1	1-511-029-11	Attenuator, 8 Ω 6 dB; TWEETER		
R1	T-8110-061-1	Resistor, 1.8 Ω 9 W; wirewound		
R2	T-8110-127-1	Resistor, 5.1 Ω 9 W; wirewound		
R3	T-8110-085-1	Resistor, 8.2 Ω 7 W; wirewound		
SP1	T-8110-016-1	Speaker, woofer		
SP2	T-8110-017-1	Speaker, mid-range		
SP3	T-8110-018-1	Speaker, tweeter		
T1	1-535-254-00	Terminal, push; (red)		
T2	1-535-255-00	Terminal, push; (black)		
	T-8150-156-1	Network Board		

ACCESSORIES AND PACKING MATERIALS

Part No.	Description
6-026-502-50	Pad, felt
6-026-515-50	Speaker Cord
T-8150-142-1	Cushion, upper
T-8150-143-1	Cushion, bottom
T-8150-158-1	Manual, instruction
T-8150-159-1	Sheet, protection
T-8150-160-1	Carton
T-8150-166-1	Bag, polyethylene

9-958-838-01

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AEP Model
UK Model

CORRECTION

File this correction with
the service manual.

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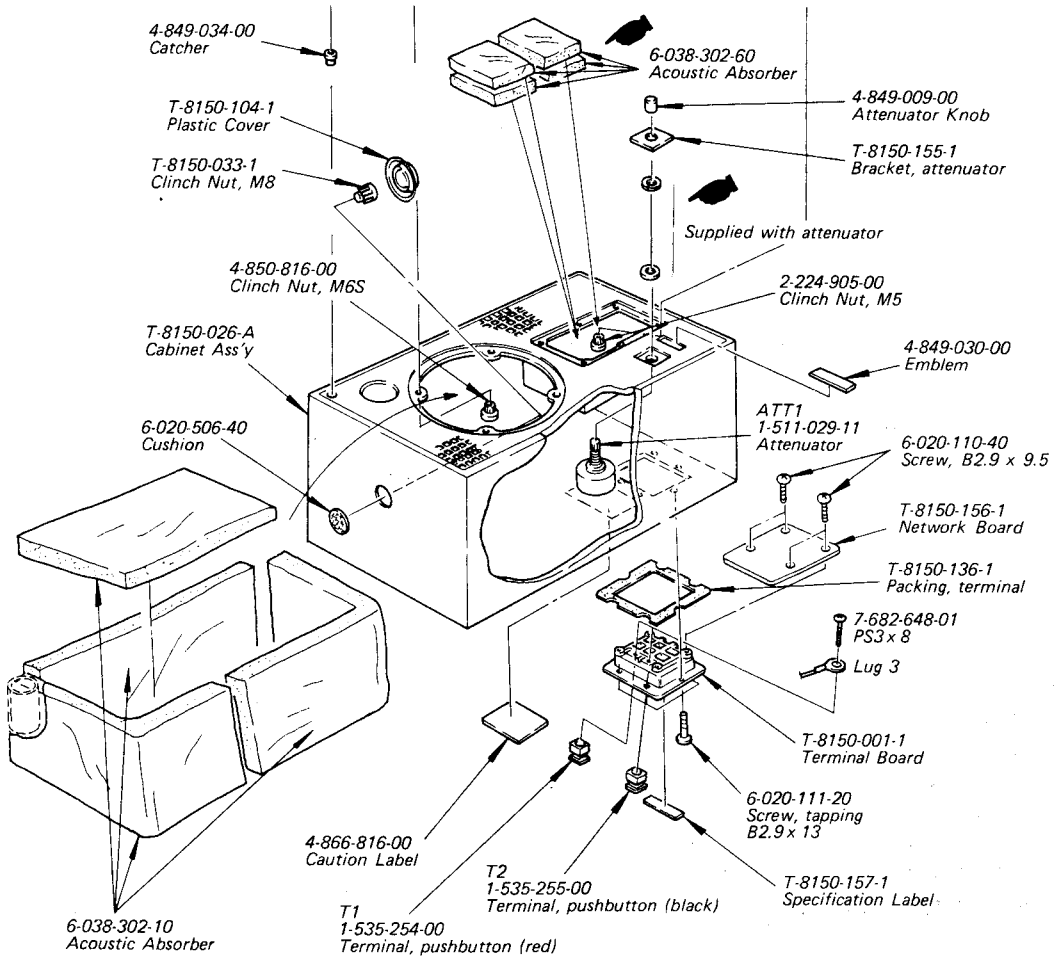
August, 1980

☛ : Corrected portion

– Page 7 –

6. EXPLODED VIEW



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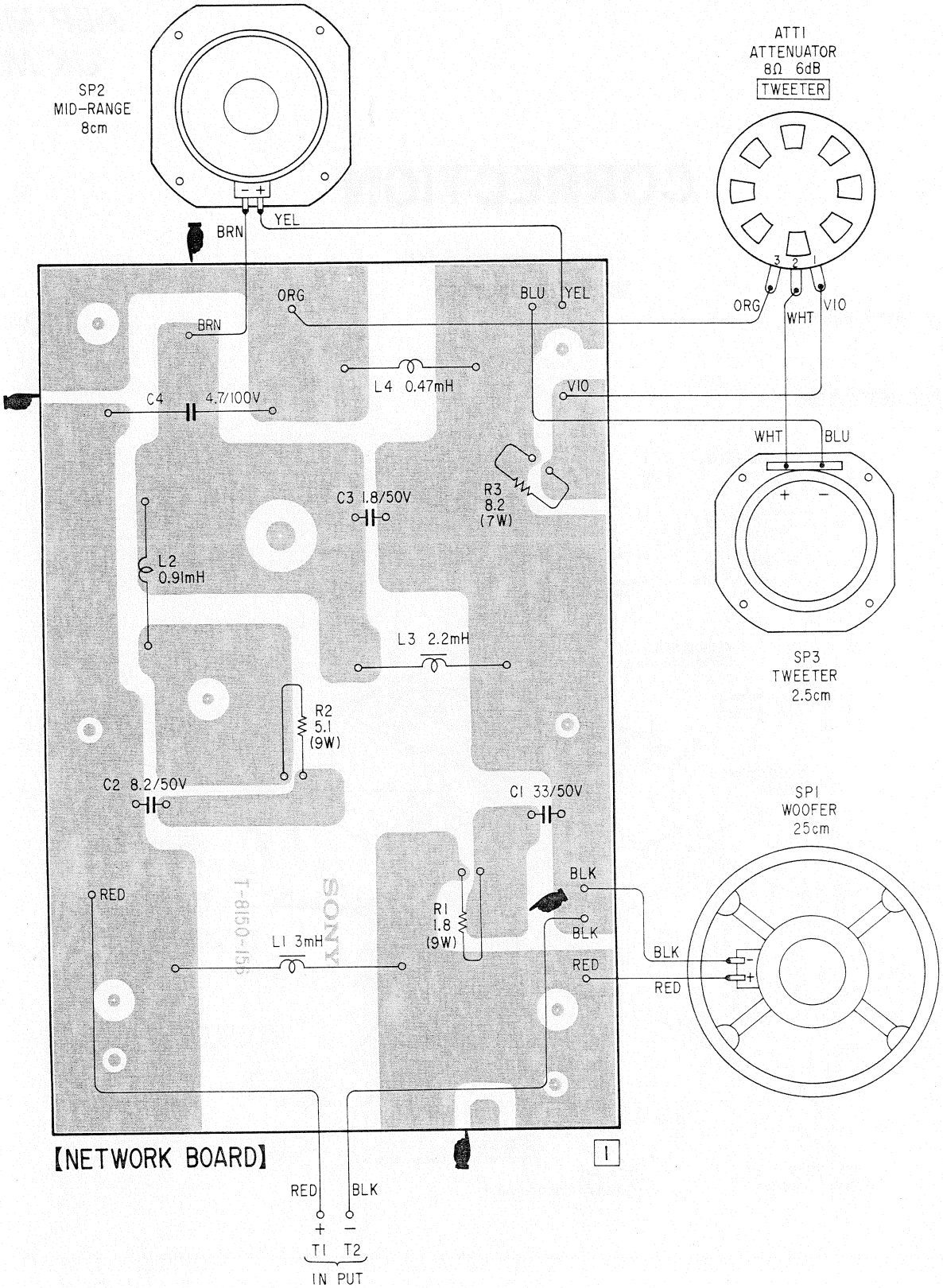
4. MOUNTING DIAGRAM

☛ : Corrected portion

— Conductor Side —



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